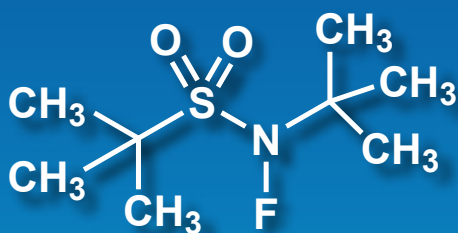


New

CHEMISTRY

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Easy-to-handle and Mild Electrophilic Fluorinating Agent NFBB



N-Fluoro-*N*-(*tert*-butyl)-*tert*-butanesulfonamide

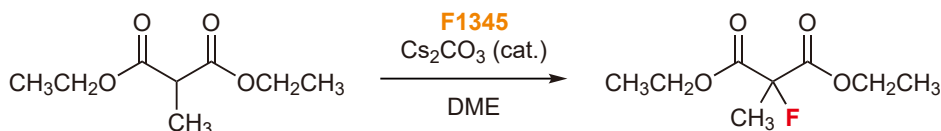
1g / 5g
[F1345]

Advantages

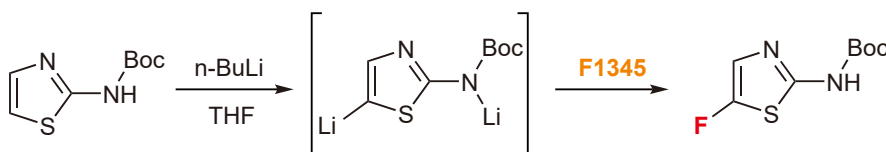
- Enables fluorination of active methylene compounds, (hetero)aryl lithium and alkenyl lithium species, Grignard reagents
- Achieves high yield fluorination due to the reduction of side reactions by *tert*-butyl groups
- Higher fluorine content than conventional fluorinating agents
- Applicable to the synthesis of pharmaceutical intermediates

Applications

Fluorination of active methylene compounds ¹⁾



Fluorination of (hetero)aryl lithium ^{1,2)}



References

- 1) Y. Yang, G. B. Hammond, T. Umemoto, *Angew. Chem. Int. Ed.* **2022**, *61*, e202211688. <https://doi.org/10.1002/anie.202211688>
- 2) Z. S. Cheruvallath *et al.*, *Bio. Med. Chem. Lett.* **2017**, *27*, 2678. <https://dx.doi.org/10.1016/j.bmcl.2017.04.041>

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